

Parameter	Parameter Description	Current Value	Current Units
FQchild	Frequency of hand to mouth events child	17	events/hour
FQadult	Frequency of hand to mouth events adult	3	events/hour
SE	Saliva extraction fraction	0.5	fraction
SAchild	Surface area of the hand child	16	cm ²
SAadult	Surface area of the hand adult	49	cm ²
FTSSh	Fraction of dust transferred from hard surfaces to skin	0.5	fraction
FTSSh-child	Fraction of dust transferred from hard surfaces to skin child		
FTSSh-adult	Fraction of dust transferred from hard surfaces to skin adult		
FTSSs	Fraction of dust transferred from soft surfaces to skin	0.1	fraction
FTSSs-child	Fraction of dust transferred from soft surfaces to skin child		
FTSSs-adult	Fraction of dust transferred from soft surfaces to skin adult		
FSAchild	fractional surface area of hand mouthed child		
FSAadult	fractional surface area of hand mouthed adult		
IFDiw	Ingestion Fraction of Dust for Indoor Worker	176.4	cm ² /day
IFDres	Ingestion Fraction of Dust for Resident - Age Adjusted	3200400	cm ²

Current Reference	Proposed Value	Proposed Units
EPA 2011 Table 4.1 and EPA 2003. Time weighted average of all age groups from birth to 6 years.	17.7	events/hour
EPA 2011 Table 4.1 and EPA 2003. Time weighted average of all age groups from 6 to 26 years.	3.025	events/hour
EPA World Trade Center Document 2003 (pg. D-5)	0.5	fraction
EPA 2011 Table 7.2. 5% of the average of child male and female.	223	cm ²
EPA 2011 Table 7.2. 5% of the average of adult male and female.	398	cm ²
EPA World Trade Center Document 2003 (pg. D-3)	Now divided into child and adult. Val	
	0.64	fraction
	0.4	fraction
EPA World Trade Center Document 2003 (pg. D-3)	Now divided into child and adult. Val	
	0.14	fraction
	0.08	fraction
	0.1	fraction
	0.07	fraction
Calculated based on EPA World Trade Center Document 2003 (pg. D-4)	81	cm ² /day
Calculated based on EPA World Trade Center Document 2003 (pg. D-4)	3115591	cm ²

Proposed Reference

EPA 2017 Table 5-13. Time weighted average of all age groups from

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EPA 2017 Table 5-13.

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EPA 2017 Table 5-13. Time weighted average of all age groups from
ues are provided in the next 2 rows.

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EPA 2017 Table 5-13. Time weighted average of all age groups
from birth to 6 years.

EPA 2017 Table 5-13. Time weighted average of all age groups
from 16 to 26 years.

EPA 2017 Table 5-13. Time weighted average of all age groups
from birth to 6 years.

EPA 2017 Table 5-13. Time weighted average of all age groups
from 16 to 26 years.

The two new proposed variables have incorporated a factor
called FSA (fraction of hand mouthed) that has not previously
been used.